Date: User:

Tuesday, 14/10/2008 10:19:16 AM

Julie Lecocq

## **Process Sheet**

Customer Job Number : CU-DAR001 Dart Helicopters Services

: 42560

: 13306

**Estimate Number** 

P.O. Number

: 14/10/2008

: NC

: //

: 40918

Type

S.O. No. :

Part Number

**Drawing Name** 

**Drawing Number** 

: D412769043 . D412-769-1 REVB

: AFT FACING SEAT ASS'Y LH

**Project Number** 

: B **Drawing Revision** 

Material **Due Date** 

: 21/10/2008

: N/A

Qty:

1 Um:

Each

(1)

Checked & Approved By

Comment

Written By

This Issue

Prsht Rev.

First Issue

**Previous Run** 

DD verified by:EC 08.05-12 new issue : Est rev A Est Rev:B 08-07-17 revB as per dwg DD verified by:ec

: SMALL /MED FAB

Est Rev:C 08-08-21 move D3792-1 after powder coat DD verified

by:EC

**Additional Product** 

Job Number:



Seq. #:

**Machine Or Operation:** 

Description:

PACKAGING 1 1.0

PACKAGING RESOURCE #1

Comment: PACKAGING RESOURCE #1

Pick Packing Kit

2.0

D3782045

Back Leg Assembly



Back Leg Assembly

Comment: Qty.:

2.0000 Each(s)/Unit Total:

2.0000 Each(s)

batch: 3.0

D3782041

Front Inboard Leg Assembly



Total:

1.0000 Each(s)



Comment: Qty.:

1.0000 Each(s)/Unit

Front Inboard Leg Assembly

08/10/23

D3782043

Front Outboard Leg Assembly, LH

Comment: Qty.:

1.0000 Each(s)/Unit Total:

Front Outboard Leg Assembly, LH

1.0000 Each(s)

batch:



D3783041

Lateral Brace Assembly

Comment: Qty.:

1.0000 Each(s)/Unit Total:

1.0000 Each(s)

Lateral Brace Assembly

FF 08/10/23

08/10/23

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W/O:		WORK ORDER CHANGES											
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DATE	STEP	Description of NC		Corrective		ion B	Sign &		cation	Approval	Approval		
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Tuesday, 14/10/2008 10:19:16 AM Date: User: Julie Lecocq **Process Sheet** Drawing Name: AFT FACING SEAT ASS'Y LH Customer: CU-DAR001 Dart Helicopters Services Part Number: D412769043 Job Number: 42560 Job Number: Seq. #: **Machine Or Operation:** Description: D3783043 6.0 Longitudinal Brace Assembly Comment: Qty.: 2.0000 Each(s)/Unit Total: 2.0000 Each(s) Longitudinal Brace Assembly FF 08/10/23 batch: B 42640 Angle Brace Assembly 7.0 Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Angle Brace Assembly 8/10/2 15425S batch: 8.0 D3784041 Seat Support Assembly, Center Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Seat Support Assembly, Center 08/10/23 9.0 Seat Support Assembly, LH Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Seat Support Assembly, LH batch 10.0 D3784044 Seat Support Assembly, RH Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Seat Support Assembly, RH 4257 batch 11.0 D37661 Front Rail, LH Comment: Qty.: Total: 1.0000 Each(s) 1.0000 Each(s)/Unit Front Rail B40863 batch: 12.0 D37663 Rear Rail Comment: Qty.: Total: 1.0000 Each(s) Rear Rail 140865 batch:

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W/O:			WORK ORDER CHANGES									
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Part No					NCR: Yes No DQA: Date:							
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	T	Description of NC		Corrective Action Section	Section B Verification Appro			Approval	Approval			
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date	& Sec	tion C	Chief Eng	QC Inspector			
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Date: Tuesday, 14/10/2008 10:19:16 AM User: Julie Lecocq **Process Sheet** Drawing Name: AFT FACING SEAT ASS'Y LH Customer: CU-DAR001 Dart Helicopters Services Job Number: 42560 Part Number: D412769043 Job Number: Seq. #: Description: **Machine Or Operation:** D37671 Upper Rail 13.0 Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Upper Rail B40866 batch: Bolt 14.0 AN415A Comment: Qty.: 2.0000 Each(s)/Unit Total: 2.0000 Each(s) Bolt 4108868 batch: EYE BOLT 15.0 Comment: Qtv.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) **EYE BOLT** FF 08/10/23 M109013 16.0 Comment: Qtv.: Total: 6.0000 Each(s) 6.0000 Each(s)/Unit Bolt U108990 batch: 17.0 AN513A Bolt Comment: Qty.: 2.0000 Each(s)/Unit Total: 2.0000 Each(s) Bolt M108/67 batch: 18.0 Washer Comment: Qty.: Total: 21.0000 Each(s)/Unit 21.0000 Each(s) batch: 1109 059 (or NAS1149D0363J) batch: 19.0 AN960JD416 Washer Comment: Qty.: 4.0000 Each(s)/Unit Total: 4.0000 Each(s) Washer (or NAS1149D0463J) batch: Page 3 Form: rprocess

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W/O:			W	ORK ORDER CHANGES	3					
DATE	STEP	PRO	CEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
Part No	):	PAR #:	Fault Cate	gory:	NCR: Yes No DQA: Date:					
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DATE	STEP	Description of NC	Corrective Action Section Initial Action Description		B Sign		fication	Approval	Approval	
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		Section A			Date		ction C	Chief Eng		

Tuesday, 14/10/2008 10:19:17 AM Date: User: Julie Lecoca **Process Sheet** Drawing Name: AFT FACING SEAT ASS'Y LH Customer: CU-DAR001 Dart Helicopters Services Job Number: 42560 Part Number: D412769043 Job Number: Seq. #: Machine Or Operation: Description: Washer 20.0 AN960JD516 Comment: Qty.: Total: 20.0000 Each(s) Washer 21.0 AN52510R24 Screw Comment: Qty.: 9.0000 Each(s)/Unit Total: 9.0000 Each(s) Screw 10887 batch: 22.0 MS21042L3 Nut Comment: Qty.: Total: 9.0000 Each(s) 9.0000 Each(s)/Unit Nut batch: 23.0 MS21042L4 Nut Comment: Qty.: Total: 2.0000 Each(s) Nut batch: 24.0 MS21042L5 Nut Comment: Qty.: 12.0000 Each(s) 12.0000 Each(s)/Unit Total: Nut batch: 25.0 SMALL FAB SMALL & MEDIUM FAB RESOURCE 1 Comment: SMALL & MEDIUM FAB RESOURCE 1 1- assemble as per dwg D412-769-1 INSPECT WORK TO CURRENT STEP 26.0 QC5 Comment: INSPECT WORK TO CURRENT STEP

Form: rprocess

Page 4

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W/O:			WORK ORDER CHANGES									
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Part No	:	PAR #:	Fault Category: NC			NCR: Yes No DQA: Date:						
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Date: Tuesday, 14/10/2008 10:19:17 AM User: Julie Lecoca **Process Sheet** Customer: CU-DAR001 Dart Helicopters Services Drawing Name: AFT FACING SEAT ASS'Y LH Part Number: D412769043 Job Number: 42560 Job Number: Seq. #: Description: **Machine Or Operation:** POWDER COATING 27.0 POWDER COATING 106442 Comment: POWDER COATING 1- mask D3782-041 and D3782-043 front legs and D3787-1 foot as per dwg D412-769-041 2- install bolts in 3 place (in seat belt eye bolt holes) to ensure leg does not move when powder coating 3- Powder coat remainig of assembly grey as per dwg D412-769-1 Powder Coat Grey Sandtex (Ref: 4.3.5.6) as per QSI 005 4.3 START TIME: **OVEN TEMPERATURE:** FINISH TIME: QC3 INSPECT POWDER COAT/CHEMICAL CONVERSION 28.0 08/10 Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION PACKAGING RESOURCE #1 29.0 PACKAGING 1 Comment: PACKAGING RESOURCE #1 Pick Packing Kit D37921 Seat Belt Eye Bolt 30.0 Comment: Qty.: 3.0000 Each(s)/Unit Total: 3.0000 Each(s) Seat Belt Eye Bolt 08/10/29 batch: 18 4 2 5 D37751 Guard Comment: Qty.: 2.0000 Each(s)/Unit Total: 2.0000 Each(s) Guard B40<del>3</del>6° batch: 32.0 D37741 Seat Bottom, LH/RH Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Seat Bottom, LH 1341084

Page 5

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W/O:			WORK ORDER CHANGES									
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Part No	:	PAR #:	Fault Category:		NCR: Yes	No <b>DQA</b> :	Date: _					
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NCR:		W	ORK ORDER NO	N-CONFORMAN	ICE (NCR	)						
DATE	STEP	Description of NC Section A		ve Action Section I tion Description Chief Eng	B Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector				
				·								

Date: Tuesday, 14/10/2008 10:19:17 AM User: Julie Lecocq **Process Sheet** Drawing Name: AFT FACING SEAT ASS'Y LH Customer: CU-DAR001 Dart Helicopters Services Job Number: 42560 Part Number: D412769043 Job Number: Seq. #: **Machine Or Operation:** Description: D37743 33.0 Seat Back, LH/RH Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Seat Bottom, LH batch: 34.0 Screw Comment: Qty.: Total: 13.0000 Each(s)/Unit 13.0000 Each(s) Screw 4109267 batch: AN960JD10I Washer 35.0 Comment: Qty.: 00 Each(s)/Unit Total : 13.0000 Each(s) Washer batch: (or NAS1149D0332J) batch MS21042L3 36.0 Comment: Qty.: 19.0000 Each(s)/Unit Total: 19.0000 Each(s) Nut 110903/ batch AN35A Bolt 37.0 Comment: Qty.: 6.0000 Each(s)/Unit Total: 6.0000 Each(s) Bolt SMALL FAB SMALL & MEDIUM FAB RESOURCE 1 38.0 Comment: SMALL & MEDIUM FAB RESOURCE 1 FF 08/10/27 1- install remaining parts as per dwg D412-769-1 39.0 QC5 INSPECT WORK TO CURRENT STEP Comment: INSPECT WORK TO CURRENT STEP

## **Dart Aerospace Ltd**

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W/O:			WO	RK ORDER CHANG	ES				
DATE	STEP	PROCEDURE CHANGE			Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Date: User: Tuesday, 14/10/2008 10:19:17 AM

Julie Lecocq

**Process Sheet** 

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: AFT FACING SEAT ASS'Y LH

Job Number: 42560

Part Number: D412769043

Job Number:



Seq. #:

**Machine Or Operation:** 

Description:

40.0

41.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location:

P0042983

QC21

FINAL INSPECTION/W/O RELEASE



08/11/059

Comment: FINAL INSPECTION/W/O RELEASE

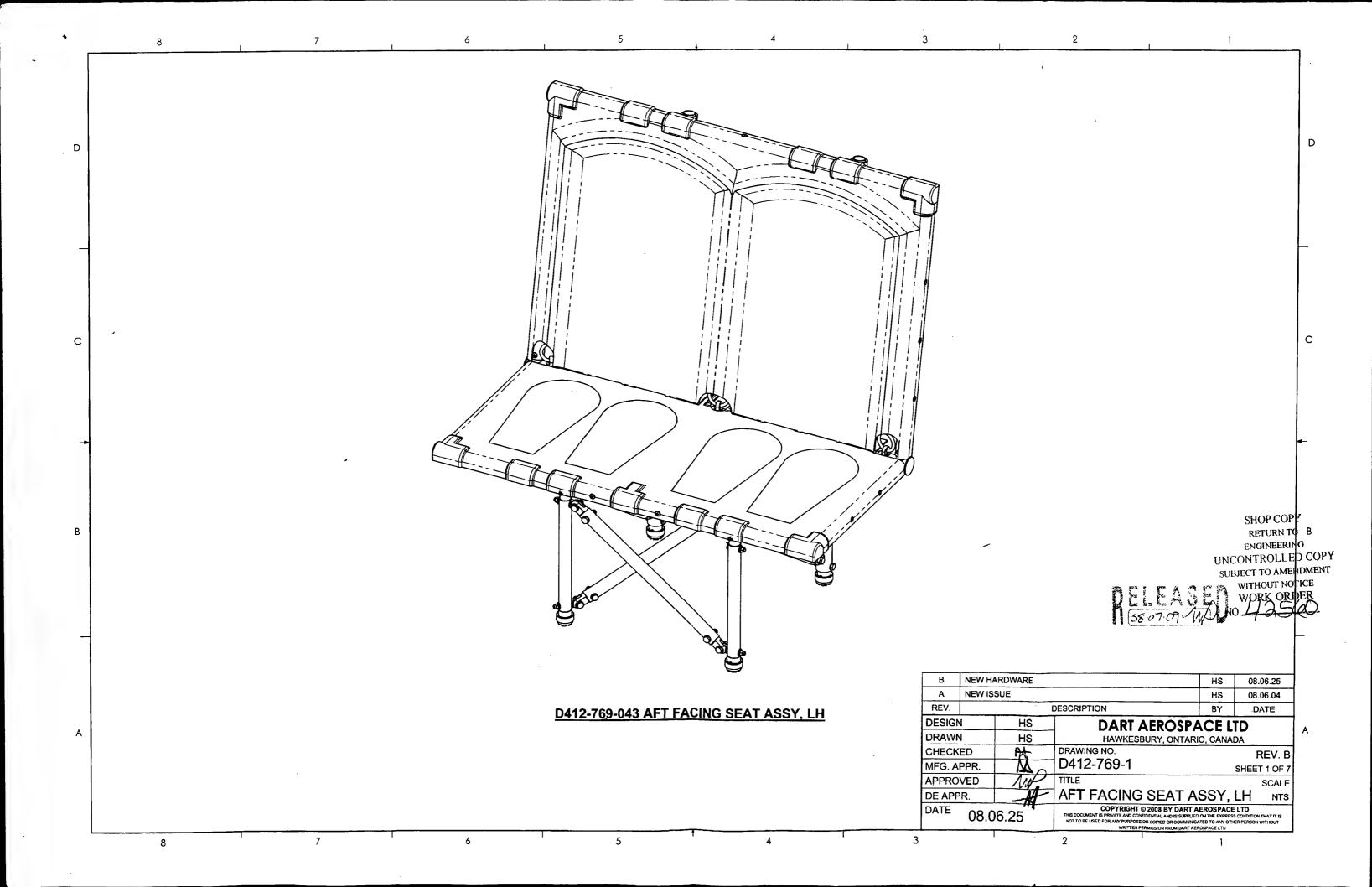
Job Completion



MF 08-11-02

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W/O:		WORK ORDER CHANGES										
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Part No:		PAR #:	Fault Categ	jory:	NCR	: Yes	No DQ	A:	Date: _			
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DATE	STEP	Description of NC			ction B	C: 0		cation	Approval Approv			
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ſ	ITEM NO.	PART NUMBER	DESCRIPTION	QTY. (-043)
	1	D3782-045	BACK LEG ASSY	2
	2	D3782-041	FRONT INBOARD LEG ASSY	1
	3	D3782-043	FRONT OUTBOARD LEG ASSY, LH	1
	4	D3783-041	LATERAL BRACE ASSY	1
	5	D3783-043	LONGITUDINAL BRACE ASSY	2
	6	D3783-045	ANGLE BRACE ASSY	1
	7	D3784-041	SEAT SUPPORT ASSY	1
	8	D3784-043	SEAT SUPPORT ASSY, LH	1
	9	D3784-044	SEAT SUPPORT ASSY, RH	1
	10	D3766-1	FRONT RAIL, LH	1
	11	D3766-3	REAR RAIL	1
	12	D3767-1	UPPER RAIL	1
	13	D3792-1	SEAT BELT EYE BOLT	3
ļ	14	D3775-1	GUARD .	2
	15	D3774-1	SEAT BOTTOM	1
	16	D3774-3	SEAT BACK	1
	17	AN3-5A	BOLT	6
	18	AN4-15A	BOLT	2
	19	AN45-13A	EYE BOLT	1
Ī	20	AN5-10A	BOLT	6
	21	AN5-13A	BOLT	2
/B\	22	AN525-10R22	SCREW	13
B	23	AN525-10R24	SCREW	9
	24	MS21042L3	NUT	28
	25	MS21042L4	NUT	2
Ī	26	MS21042L5	NUT	12
	27	NAS1149D0332J	WASHER (AN960JD10L)	13
Ī	28	NAS1149D0363J	WASHER (AN960JD10)	21
	29	NAS1149D0463J	WASHER (AN960JD416)	4
Ī	30	NAS1149D0568J	WASHER (AN960JD516)	20

8

D412-769-043 AFT FACING SEAT ASSY, LH

DESIGN	HS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	HS		
CHECKED	, est	DRAWING NO.	REV. B
MFG. APPR.	NO.	D412-769-1 <sub>SHEE</sub>	T 2 OF 7
APPROVED	110	TITLE	SCALE
DE APPR.	-11	AFT FACING SEAT ASSY, LH	NTS
DATE 08.0	16 25	COPYRIGHT @ 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS	

NOTES:
1) MATERIAL: N/A
2) FINISH: POWDER COAT ASSEMBLED SEAT "GREY SANDTEX" (4.3.5.6) PER DART QSI 005 4.3 PRIOR
TO INSTALLATION OF SEAT BOTTOM/BACK (D3774-1/-3). MASK FRONT LEGS PRIOR TO POWDER COAT.
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY WITH D2729-1 RED DECAL ATTACHED TO BACK LEG ASSEMBLY (D3782-045)
7) WEIGHT: 30.0 lbs
8) ITEM 15 (D3774-1 SEAT BOTTOM) AND ITEM 16 (D3774-3 SEAT BACK) REMOVED FOR CLARITY

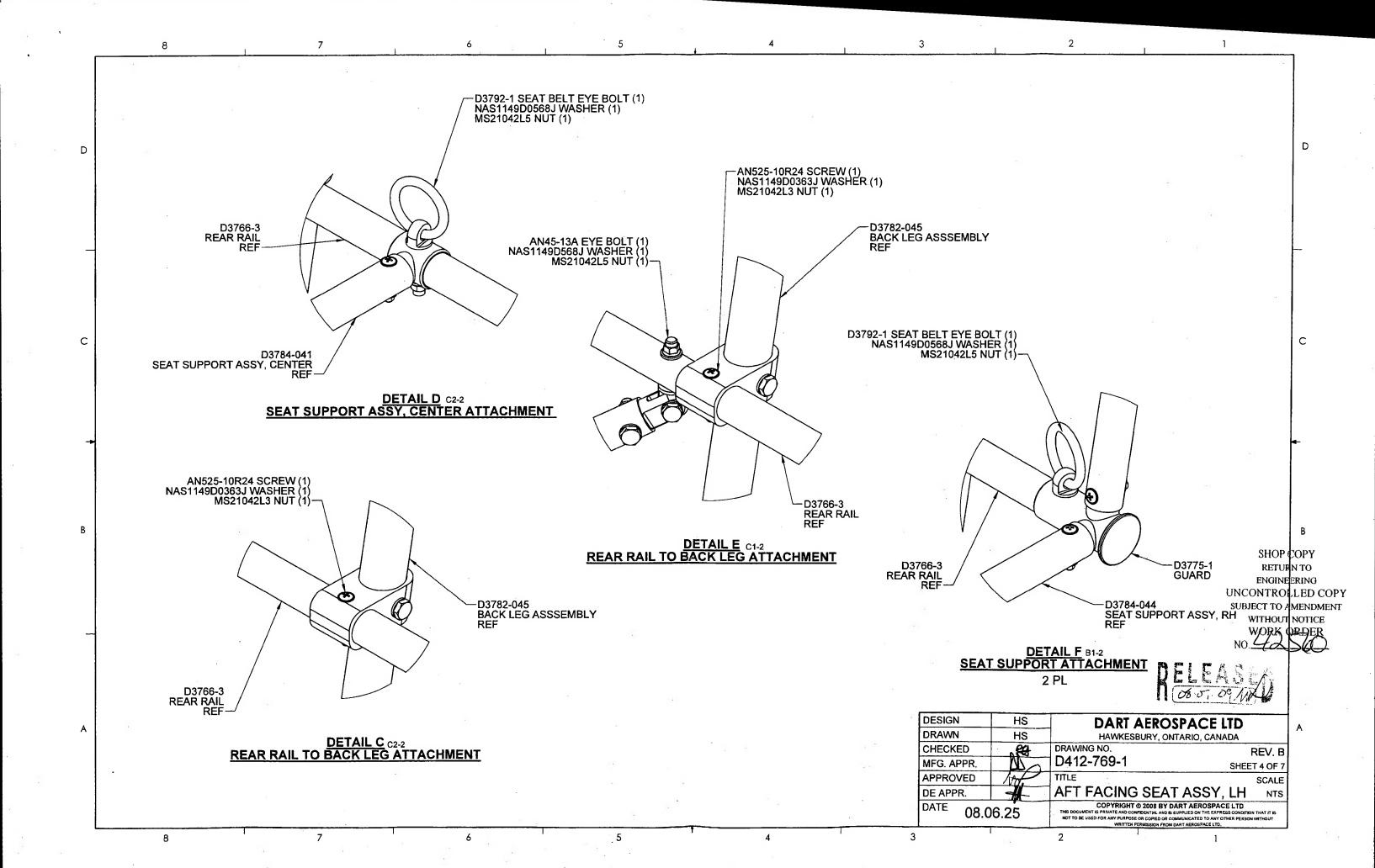
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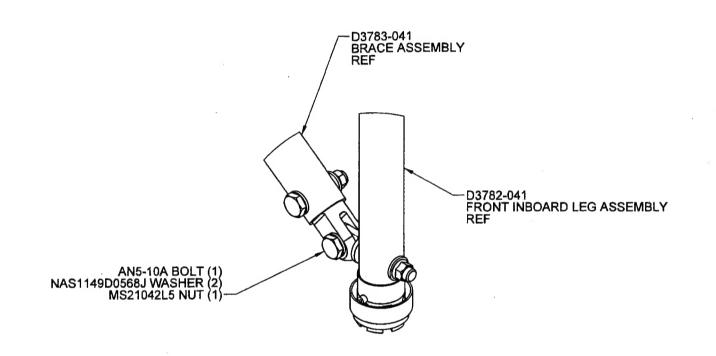
SHOP COPY RETURN TO ENGINEERING UNCONTROLLED COPY SUBJECT TO ANIENDMENT

WITHOUT INTICE
WORK ORDER

D -AN525-10R24 SCREW (1) NAS1149D0363J WASHER (1) MS21042L3 NUT (1) -D3767-1 UPPER RAIL REF -D3767-1 UPPER RAIL REF -D3782-045 BACK LEG ASSY REF DETAIL A D2-2
UPPER RAIL TO BACK LEG ATTACHMENT 2 PL AN525-10R24 SCREW (1) NAS1149D0363J WASHER (1) MS21042L3 NUT (1)--D3784-044 SEAT SUPPORT ASSY, RH REF SHOP COPY RETURN ENGINEER NO UNCONTROLL ED COPY
SUBJECT TO AM INDMENT
WITHOUT NOTICE
WORK OR DER
NO DETAIL B C1-2
SEAT SUPPORT END ATTACHMENT 5 PL DESIGN HS DART AEROSPACE LTD DRAWN HS HAWKESBURY, ONTARIO, CANADA DRAWING NO. CHECKED REV. B D412-769-1 MFG. APPR. SHEET 3 OF 7 TITLE APPROVED SCALE AFT FACING SEAT ASSY, LH DE APPR. DATE 08.06.25 3

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<u>DETAIL G</u>B2-2 BRACE ATTACHMENT 6 PL

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 207.07.07.1/104

DESIGN	HS	DART AEROSPACE LTD	
DRAWN HS		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D412-769-1	SHEET 5 OF 7
APPROVED	101	TITLE	SCALE
DE APPR.	7.4	AFT FACING SEAT AS	SSY, LH NTS
DATE 08.0	06.25	COPYRIGHT © 2008 BY DART AEROSPACE LTD  THIS DOCUMENT IS PRIMATE AND CONTRICHTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT	

